



Name of work: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.

Est. Amount =

50.00

Lakhs

Rate

Amount

In Rg.

In Rs.

1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1(I.tn No.2.1, P.No.5, SR:2016 17)									
Open Air Theater		Cum								
Levelling Site Area			1	30.00	15.00	0.30	135.00			
			Total Qty				135.00	289.17	39037.63	
2	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301(I.tn No.19.20, P.No.144, SR:2016 17)									
Open Air Theater		Cum								
Over burden Earth			1	10.00	15.00	2.40	360.00			
			Total Qty				360.00	132.35	47646.58	
3	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.tn No.2.4, P.No.5, SR:2016-17)									
Open Air Theater		Cum								
SSM Foundation										
Main Wall			1	78.40	0.80	0.80	50.18			
Partition Wall			1	8.70	0.60	0.60	3.13			
Footing Foundation										
Total Aera			2	15.00	18.00	3.50	1890.00			
Steps			2	1.62	1.10	0.20	0.71			
				Total Qty				1944.02		
Dedection										
Column			10	0.30	0.45	0.80	1.08			
				Total Qty				1.08		
			Total Qty				1942.94	453.82	881753.94	
4	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard rock including cost of materials, labour complete as per specifications, specification. No. KBS (I.tn No.2.22, P.No.7, SR:2016-17)									
Open Air Theater		Cum								
Total Aera			2	15.00	18.00	1.00	540.00			
			Total Qty				540.00	28.75	15524.78	
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tn No.4.2, P.No.12, SR:2016-17)									
Open Air Theater		Cum								
SSM Foundation										
Main Wall			1	78.40	0.80	0.15	9.41			
Partition Wall			1	8.70	0.60	0.15	0.78			
Flooring										
Stage			1	12.20	10.70	0.10	13.05			
Room 1 & Room 2			2	3.65	7.20	0.10	5.26			
Toilet 1, 2, 3 & 4			4	1.75	1.50	0.10	1.05			

Open Air Theater at Mallasandra in Ward No. 13 Shettyhall sub division.										Detailed Estimate		
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate		Amount		
				L	B	D		In Rs.	In Rs.			
	Steps											
			2	1.62	1.10	0.10	0.36					
			Total Qty				29.91					
	Deduction											
	Column		10	0.30	0.45	0.15	0.20					
			Total Qty				0.20					
			Total Qty				29.70	6594.11		195877.48		
6	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerdressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.tn No.5.6, P.No.23, SR:2016-17)											
	Open Air Theater											
	SSM Foundation Below Ground											
	Main Wall		1	78.80	0.60	0.40	18.91					
	Partition Wall		1	8.70	0.45	0.40	1.57					
			Total Qty				20.48					
	Deduction											
	Column		10	0.30	0.45	0.60	0.81					
			Total Qty				0.81					
			Total Qty				19.67	5471.57		107614.87		
			Total Qty				19.67	5471.57		107614.87		
7	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniyy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.tn No.5.9, P.No.23, SR:2016-17)											
	Open Air Theater											
	SSM Foundation Above Ground											
	Main Wall		1	79.10	0.45	0.80	28.48					
	Steps											
	1st		2	1.62	0.45	0.15	0.22					
	2nd		2	1.62	0.75	0.15	0.36					
	3rd		2	1.62	1.00	0.15	0.49					
			Total Qty				29.55					
	Deduction											
	Column		10	0.30	0.45	0.40	0.54					
			Total Qty				0.54					
			Total Qty				29.01	6540.53		189709.50		
			Total Qty				29.01	6540.53		189709.50		
8	KSRB 4.2.1: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1.4.6(I.tn No.4.10, P.No.13, SR:2016-17)											
	Open Air Theater											
	Below Column Footing											
	F1		6	1.75	2.00	0.60	12.60					
	F2		4	2.80	2.80	0.60	18.82					
	Column Footing											
	F1		6	1.75	2.00	0.60	12.60					
	F2		4	2.80	2.80	0.60	18.82					
	Cloumn up to plinth level											
	C1		6	0.30	0.45	3.50	2.84					
	C2		4	0.45	0.45	4.50	3.65					
	Plinth Beam											
	Main Wall		1	78.80	0.23	0.35	6.34					
	Partition Wall		1	8.70	0.15	0.25	0.33					
	Connecting Stage		1	12.00	0.20	0.25	0.60					
	Below Ground		1	78.80	0.45	0.45	15.96					
			Total Qty				92.54	8129.60		752302.47		
			Total Qty				92.54	8129.60		752302.47		
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.tn No.2.10, P.No.6, SR:2016-17)											
	50% of Total Earth Excavation	Cum					971.47					
			Total Qty				971.47	165.96		161228.72		
			Total Qty				971.47	165.96		161228.72		

Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.										Detailed Estimate	
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.		
				L	B	D					
10	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1 (I.tn No.2.12, P.No.6, SR:2016-17)										
	Open Air Theater	Cum									
	Stage		1	12.00	10.50	1.10	138.60				
	Room 1 & Room 2		2	3.65	7.20	1.10	57.82				
	Toilet 1, 2, 3 & 4		4	1.75	1.50	1.10	11.55				
			Total Qty			207.97	331.93	69,029.57			
11	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6(I.tn No.4.12, P.No.13, SR:2016-17)										
	Open Air Theater	Cum									
	Lintel Beam										
	Main Wall		1	12.50	0.23	0.20	0.58				
	Partition Wall		1	8.70	0.15	0.20	0.26				
	Column (Floor to roof)										
	C1		1	0.30	0.45	3.40	0.46				
	C2		4	0.45	0.45	3.40	2.75				
	Beam										
	B1		4	3.65	0.23	0.45	1.51				
	B2		4	8.85	0.23	0.45	3.66				
	B3		4	1.00	0.23	0.45	0.41				
	Roof Slab										
	Slab	2	4.20	10.90	0.15	13.73					
			Total Qty			23.37	8320.40	194464.29			
12	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregates @ 0.0345cum, with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.tn No.4.19, P.No.14, SR:2016-17)										
	Open Air Theater	Sqm									
	Chajja										
	Windows W		4	1.80	0.60		4.32				
	Ventilator V		4	0.80	0.60		1.92				
			Total Qty			6.24	595.90	3718.42			
13	Providing RCC loft (atta) 7.5cms thick with cement concrete design sqm mix M20 using clean granite or trap jelly of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges). (I.tn No.4.54, P.No.19, SR:2016-17)										
	Open Air Theater	Sqm									
	Room 1 & 2		2	10.25	0.60		12.30				
			Total Qty			12.30	588.06	7233.14			

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.
				L	B	D			
14	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tn No.4.6, P.No.12, SR:2016-17)								
	Open Air Theater	Cum							
	Cills								
	Windows W		4	1.50	0.23	0.05	0.07		
	Ventilator V		4	0.60	0.23	0.05	0.03		
	Copping for SSM Foundation								
	Main Wall		1	79.10	0.45	0.10	3.56		
	Partition Wall		1	8.70	0.45	0.10	0.39		
	Steps								
	1st		2	1.62	0.45	0.10	0.15		
	2nd		2	1.62	0.30	0.10	0.10		
	3rd	2	1.62	0.25	0.10	0.08			
			Total Qty				4.37	7110.30	31083.38
15	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tn No.4.28, P.No.15, SR:2016-17)								
	Open Air Theater	Sqm							
	Below Column Footing								
	F1		6	7.50		0.65	29.25		
	F2		4	12.20		0.65	31.72		
	For Footing								
	F1		6	7.50		0.50	22.50		
	F2		4	12.20		0.50	24.40		
				Total Qty				107.87	301.87
16	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tn No.4.32, P.No.16, SR:2016-17)								
	Open Air Theater	Sqm							
	Basement Floor								
	C1		6	1.50		7.00	63.00		
	C2		4	1.80		7.00	50.40		
			Total Qty				113.40	478.29	54,237.95
17	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.tn No.4.18, P.No.15, SR:2016-17)								
	Open Air Theater	Sqm							
	Roof Slab								
	Room 1 & Room 2		2	3.85	7.20		55.44		
	Toilet 1, 2, 3 & 4		4	1.75	1.50		10.50		
	Stage Entry portion		2	4.20	1.62		13.61		
			Total Qty				79.55	409.03	32,537.39
18	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tn No.4.36, P.No.16, SR:2016-17)								
	Open Air Theater	Sqm							
	Cills								
	Windows W		4	1.50		0.16	0.96		
	Ventilator V		4	0.60		0.16	0.38		
	Roof Edges								
	Roof Slab Edges		2	30.30		0.16	9.70		
				Total Qty				11.04	886.01

Construction of Open Air Theater at Mallesandra in Ward No. 13 Shettyhall sub division.										Detailed Estimate	
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.		
				L	B	D					
19	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.t.m No.4.34, P.No.16, SR:2016-17)										
	Open Air Theater										
	Plinth Beam										
	Main Wall		1	78.80		0.75	59.10				
	Partition Wall		1	8.70		0.60	5.22				
	Connecting Stage		1	12.00		0.60	7.20				
	Below Ground		1	78.80		0.75	59.10				
	Lintel Beam										
	Main Wall	Sqm	1	12.50		0.50	6.25				
	Partition Wall		1	8.70		0.50	4.35				
	Beam										
	B1		4	3.65		1.13	16.50				
	B2		4	8.85		1.13	40.00				
	B3		4	1.00		1.13	4.52				
						Total Qty	202.24	334.54	67,657.53		
20	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.t.m No.4.37, P.No.16, SR:2016-17)										
	Open Air Theater										
	Chajja										
	Windows W		4	1.80	0.60		4.32				
	Ventilator V		4	0.80	0.60		1.92				
	Chajja Side										
	Windows W	Sqm	4	3.00		0.15	1.80				
	Ventilator V		4	2.00		0.15	1.20				
						Total Qty	9.24	352.84	3,260.20		
21	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.t.m No.4.46.2, P.No.17, SR:2016-17)										
	Open Air Theater										
	Steel										
	For One Cum 130Kgs Qty Item No 8		1	12.03			12.03				
	For One Cum 130Kgs Qty Item No 11	Sqm	1	3.04			3.04				
	For One Cum 60Kgs Qty Item No 12		1	0.37			0.37				
						Total Qty	15.44	79201.23	1223087.49		
22	KSRB 5-14: Providing and constructing load bearing wall - with solid concrete blocks of size 400x150x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54(Item No.5.25.2, Page No.25, SR: 2016-17)										
	Open Air Theater										
	Basement Floor										
	Main Wall		1	64.50		3.00	193.50				
	Partition Wall		1	10.50		3.00	31.50				
						Total Qty	225.00				
	Deduction										
	Door D	Sqm	2	1.00		2.10	4.20				
	Door D1		4	0.80		2.10	6.72				
	Windows W		4	1.50		1.20	7.20				
	Ventilator V		4	0.60		0.45	1.08				
	Column		10	0.30		3.50	10.50				
						Total Qty	29.70				
						Total Qty	195.30	1185.27	231482.76		

Construction of Open Air Theater at Mallesandra in Ward No. 13 Shettyhalli sub division.

Detailed Estimate

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount	
				L	B	D		In Rs.	In Rs.	
23	KSRB 14.9-1: P roviding and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt), including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4(Item No.14.13, Page No.102, SR: 2016-17)									
	Open Air Theater	Sqm								
	Flooring									
	Stage									
	Room 1 & Room 2		1	12.20	10.70		130.54			
	Toilet 1, 2, 3 & 4		2	3.65	7.20		52.56			
			4	1.75	1.50		10.50			
			Total Qty			193.60	772.32	149520.92		
			Total Construction cost						45,00,353.38	
			KRDIL Charges 11%						4,95,038.87	
			Sub Total						49,95,392.23	
			Miscellaneous & Rounding Off						4,607.77	
			Grand Total						50,00,000.00	

Contractor:

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.



Consultant
For Sri Sai Consultants

Assistant Engineer
Dasarahalli Project Division
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: 48/17-0 ದಿನಾಂಕ: 01/03/2018
ರೂ: Rs. 50,00,000/- ಫಿಫಿ
Lakh only
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
[Signature]
[Stamp]
ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ

ನಂ. BBMP/CE/DR/TS/489/17-18 ದಿನಾಂಕ: 05/03/18
ರೂ. Rs. 50.00 lakhs only
Rs. Fifty lakhs only
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಂತರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
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ಆಂತರಿಕ ಸಹಾಯಕರು ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಜಿ.ಜಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.